

Comparisons of Job Characteristics

Focus Occupation: **Carpenters (47-2031)**

Associated Occupation: **Sheet Metal Workers (47-2211)**

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| | |
|----|--|
| << | Focus occupation element is much lower |
| < | Focus occupation element is lower |
| 0 | Focus occupation element is at a similar level |
| > | Focus occupation element is at a higher level |
| >> | Focus occupation element is at a much higher level |

Knowledge

Similarity of Focus Occupation to Associated Occupation: 94

Focus Occupation: Carpenters (47-2031)

Associated Occupation: Sheet Metal Workers (47-2211)

| Associated Occupation's Key Knowledge Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | | Evaluation of Focus Occupation |
|--|---------------------------------|--------------------------------|---------------------------|----|---|
| Mechanical | 6.8 | 17.4 | 12.6 | << | Extensive education and/or training may be required |
| Building and Construction | 4.0 | 16.5 | 17.5 | 0 | Current knowledge level may be sufficient |
| Design | 5.2 | 14.9 | 12.2 | < | Expanded education and/or training may be required |
| Mathematics | 9.2 | 14.8 | 12.8 | < | Expanded education and/or training may be required |
| Engineering and Technology | 5.7 | 13.5 | 7.9 | << | Extensive education and/or training may be required |
| Administration and Management | 8.4 | 11.7 | 10.2 | < | Expanded education and/or training may be required |
| Production and Processing | 6.0 | 11.0 | 10.9 | 0 | Current knowledge level may be sufficient |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: Carpenters (47-2031)

Associated Occupation: Sheet Metal Workers (47-2211)

| Associated Occupation's Key Skills Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | | Evaluation of Focus Occupation |
|---|---------------------------------|--------------------------------|---------------------------|----|--|
| Mathematics | 6.2 | 9.4 | 8.0 | < | A higher skill level may be required |
| Equipment Maintenance | 3.5 | 7.4 | 5.1 | << | Extensive development of skills in this area may be required |
| Repairing | 3.4 | 6.9 | 6.1 | < | A higher skill level may be required |
| Equipment Selection | 3.3 | 6.4 | 5.9 | 0 | Current skill level may be sufficient |
| Installation | 1.7 | 4.4 | 3.8 | < | A higher skill level may be required |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

| Abilities | | Similarity of Focus Occupation to Associated Occupation: 86 | | | |
|--|---------------------------------|---|---------------------------|--------------------------------|---|
| Focus Occupation: Carpenters (47-2031) Associated Occupation: Sheet Metal Workers (47-2211) | | | | | |
| Associated Occupation's Key Abilities Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation | |
| Visualization | 7.5 | 12.3 | 11.3 | 0 | Current ability level may be sufficient |
| Selective Attention | 8.7 | 10.6 | 8.6 | < | Some improvement in abilities may be required |
| Static Strength | 5.0 | 10.0 | 11.3 | > | Current ability level is likely sufficient |
| Depth Perception | 5.3 | 9.5 | 7.7 | < | Some improvement in abilities may be required |
| Auditory Attention | 5.9 | 9.1 | 7.6 | < | Some improvement in abilities may be required |
| Gross Body Equilibrium | 3.2 | 7.3 | 8.6 | > | Current ability level is likely sufficient |
| Speed of Limb Movement | 3.2 | 7.1 | 8.3 | > | Current ability level is likely sufficient |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

| Activities that Both Occupations Have in Common | | Similarity of Focus Occupation to Associated Occupation: 87 |
|--|-------------------------|---|
| Focus Occupation: Carpenters (47-2031) Associated Occupation: Sheet Metal Workers (47-2211) | | |
| Work Activities | Exclusivity of Activity | |
| Adhere to safety procedures | 12 | |
| Build or repair structures in construction, repair, or manufacturing setting | 54 | |
| Climb ladders, scaffolding, or utility or telephone poles | 56 | |
| Determine material or tool requirements | 72 | |
| Determine project methods and procedures | 76 | |
| Erect scaffold | 56 | |
| Examine products or work to verify conformance to specifications | 15 | |
| Fabricate ducting | 95 | |
| Fabricate, assemble, or disassemble manufactured products by hand | 11 | |
| Install sheet metal assemblies in supportive framework | 95 | |
| Move or fit heavy objects | 8 | |
| Perform safety inspections in construction or resource extraction setting | 46 | |
| Position, align, or level machines, equipment, or structures | 74 | |
| Read blueprints | 10 | |
| Read technical drawings | 7 | |
| Use hand or power tools | 2 | |

| | |
|--|----|
| Use measuring devices in construction or extraction work | 41 |
| Weld together metal parts, components, or structures | 54 |

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 78

Focus Occupation: Carpenters (47-2031)
Associated Occupation: Sheet Metal Workers (47-2211)

| Tools and Technologies | Exclusivity |
|---|-------------|
| Bandsaws and accessories | 26 |
| Computers | 1 |
| Content authoring and editing software | 1 |
| Cutting and crimping and punching tools | 3 |
| Data management and query software | 1 |
| Dispensing tools | 6 |
| Drafting supplies | 9 |
| Face and head protection | 7 |
| Fastener setting tools | 12 |
| Forming tools | 2 |
| Holding and clamping tools | 3 |
| Holding and positioning and guiding systems and devices | 23 |
| Humidity and moisture measuring instruments | 15 |
| Indicating and recording instruments | 2 |
| Industry specific software | 1 |
| Ladders and scaffolding | 6 |
| Length and thickness and distance measuring instruments | 2 |
| Lifting equipment and accessories | 3 |
| Machinery for working wood and stone and ceramic and the like | 12 |
| Marking tools | 11 |
| Measuring and layout tools | 3 |
| Pneumatic tools | 8 |
| Power tools | 2 |
| Rough and finishing tools | 5 |
| Tool attachments and accessories | 12 |
| Wrenches and drivers | 2 |

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.